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S5	274145	plasma\$	US-PGPUB; USPAT	OR	OFF	2005/09/23 19:29
S6	641654	waste\$ hazard\$ toxic\$	US-PGPUB; USPAT	OR	OFF	2005/09/30 12:04
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S8	52	S7 same S6	US-PGPUB; USPAT	OR	OFF	2005/09/23 19:29
S9	19	S8 and pyroly\$	US-PGPUB; USPAT	OR	OFF	2005/09/23 19:29
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S11	244882	ac alternating\$	EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/23 19:29
S12	517732	waste\$ hazard\$ toxic\$	EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/23 19:30
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- [1] Vursel Ph B and Polak L S 1965 Kinetics and thermodynamics of chemical reactions in low temperature plasma *Chemical Processes in Plasma and Plasma Jet (Nauka, Moscow)* pp 238-51 (in Russian)
- [2] Choi Kyung-Soo and Park Dong-Wha 1997 Pyrolysis of waste tires by thermal plasma ISPC 13 *13th Int. Symp. on Plasma Chemistry* vol 4 (Beijing, China: Peking University Press) pp 2447-51
- [3] Rutberg Ph G 2003 Plasma pyrolysis of toxic waste *Plasma Phys. Control. Fusion* **45** 957-69
[IOP Article](#)
- [4] *Proc. International Symp. Environmental Technologies: Plasma Systems and Applications (Atlanta, Georgia, USA, 8-11 October 1995)* vol 1 and 2
- [5] 2002 Plasma energy pyrolysis system REPS superior alternative to waste incineration Vanguard research, Inc, www.vrifix.com/peps
- [6] Rutberg Ph G, Bratsev A N and Ufimtsev A A 2004 Plasmochemical technologies for processing of hydrocarbonic raw material with syngas production *An International Quarterly of High Technology Plasma Processes (Strasbourg, France) J. High Temp. Mater. Process.* **8** 433-45
[CrossRef Link](#) | [Order from Infotrieve](#)
- [7] Rutberg Ph G *et al* 1978 Investigation of basic physical processes in power electric arc of ac generators *High Temp.* **16** 1285-96 (in Russian)
[Inspec Abstract](#) | [Order from Infotrieve](#)
- [8] Glebov I A and Rutberg Ph G 1985 *Powerful Plasma Generators* (Moscow: Energoatomizdat) p 152 (in Russian)

- [9] Rutberg Ph G, Safronov A A and Goryachev V L 1998 Strong-current arc discharge of alternating current *IEEE Trans. Plasma Sci.* **26** 1297-306 ITPSBD
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- [10] Zhukov M F *et al* 1999 *Electric Arc Plasma Generators of Thermal Plasma (Low temperature plasma vol 17)* (Novosibirsk: Nauka) p 712 (in Russian)
- [11] Tendler M, Rutberg Ph G and Van Oost G 2005 Plasma based waste treatment and energy production *Plasma Phys. Control. Fusion* **47** A219-30
[IOP Article](#)
- [12] Roots W K and Kadhim M A 1969 Measuring the electrothermal efficiency of a 50-Hz plasma torch *IEEE Trans. Instrum. Meas.* **18** 150-6
[Inspec Abstract](#) | [Order from Infotrieve](#)
- [13] Charron F and Honloser Ch 1961 Generateurs de plasma de L'ONERA *La Rechn. aeronaut.* **83** 9-16
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- [14] Rutberg Ph G, Bratsev A N, Safronov A A, Surov A V and Shegolev V V 2002 The technology and execution of plasmachemical disinfection of hazardous medical waste *IEEE Trans. Plasma Sci.* **4** 1445-48
[CrossRef Link](#) | [Inspec Abstract](#) | [ChemPort Abstract](#) | [Order from Infotrieve](#)
- [15] Babichev A P *et al* 1991 *Physical Magnitudes: Reference Book* ed I S Grigor'ev and E Z Meilikhov (Moscow: Energoatomizdat) p 1232 (in Russian)
- [16] Kasabov G A 1967 *PhD Thesis* Moscow (in Russian)
- [17] Kolesnikov V N 1964 Arc discharge *Proc. FIAN (Moscow)* vol XXX ed P N Lebedev (in Russian)
- [18] Raizer Yu P 1992 *Physics of Gas Discharge: Textbook for Universities* 2nd edn (Moscow: Nauka) p 536 (in Russian)
- [19] Finkelburg W and Maecker H 1956 *Elektrische Boegen und Thermisches Plasma, Handbuch der Physik* Bd. XXII (Berlin: Springer) pp 254-444

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- [1] Kyung-Soo Choi and Dong-Wha Park 1997 Pyrolysis of waste tires by thermal plasma *13th International Symp. on Plasma Chemistry (ISPC, 13, 1997)* vol 4 (Pekin University Press) pp 2447-51
- [2] 2002 Plasma energy pyrolysis system REPS superior alternative to waste incineration *Vanguard Research* www.vrifix.com/peps
- [3] Abou-Ghazala A, Katsuki S and Schoenbach K H 2001 *Bacterial Decontamination of Water by Means of Pulse Corona Discharge Symp. Record Abstracts (USA, 2-23 May 2001)* pp 75-6
- [4] Aly R E, Joshi R P, Stark R H and Schoenbach K H 2001 *Repair Time of Bacteria After Pulsed Electric Field Application Symp. Record Abstracts (USA, 2-23 May 2001)* pp 79-80
- [5] Beebe S J, Stephen Buescher E, Stark R H and Schoenbach K H 2001 *Nanosecond Pulsed Electric Field (ns PEF) Application Effectes on Human Cells: Intracellular Membrane Disruption and Apoptosis Induction Application Symp. Record Abstracts (USA, 2-23 May 2001)* p 251
- [6] Shindo H, Inaba T and Iwao T 2001 *The Temperature and Radiant Power Emitted from DC Horizontal Short Free Arc Discharge Between Tungsten Electrodes Near 50 A Application Symp. Record Abstracts (USA, 2-23 May 2001)* p 304
- [7] Jozef Plateauzaal Ghent University 2002 Colloquium concerning, plasma based total treatment of waste and renewable energy sources (PGV--Plasma gasification and vitrification) Summary Thursday 21 March 2002
- [8] Glebov I A and Rutberg Ph G 1985 Powerful plasma generators, M.: *Energoatomizdat*
- [9] Rutberg Ph G, Safronov A A and Goryachev V L 1998 Strong-current arc discharge of

6/8

- [10] Nedospasov A V and Hait V D 1991 Physics of processes in low temperature plasma devices, M.: *Energoatomizdat* P 224
- [11] Korsukov V E, Patrievsky P V, Rutberg Ph G and Tutina N M 1986 About operation of power electric arc gas generators *JTF* **56** 1724-9
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- [12] Mesyats G A 1998 *Explosive Electron Emission* (Ekaterinburg: URO Press) p 248
- [13] *Plasma Systems and Applications: Proc. International Symp. on Environmental Technologies (Atlanta, Georgia, October 8-11 1995)* vol **1, 2**
- [14] Rutberg Ph G, Safronov A A, Bratsev A N, Popov V E, Popov S D, Surov A V, Stchegolev V V and Caplan M 2000 *Plasma Furnace for Treatment of Solid Toxic Waste Sixth European Conf. on Thermal Plasma Processes (Strasbourg, France, 30 May-3 June 2000)*
- [15] Rutberg Ph G, Safronov A A, Bratsev A N, Popov V E, Popov S D and Surov A V 2001 *Plasma Technologies of Solid and Liquid Toxic Waste Desinfection 01CH37255: IEEE Conf. Record- Abstracts PPPS-2001. Pulsed Power Plasma Science (Las Vegas, Nevada, 17-22 June 2001)* P2H37, p 324
- [16] Goryachev V L, Rutberg Ph G and Fedjukovich V N 1996 About some properties of pulse-periodical discharge in water with energy in the pulse of ~1 J used for its purification *TVT* **34**
- [17] Goryachev V L, Rutberg Ph G and Ufimtsev A A 1998 About photolitic properties of pulse discharge in water *Lett. JTP* **24** 91-5
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- [18] Spinks J and Vuds R 1967 Introduction to radiation chemistry, M.: *Atomizdat*

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